

FIG. 1

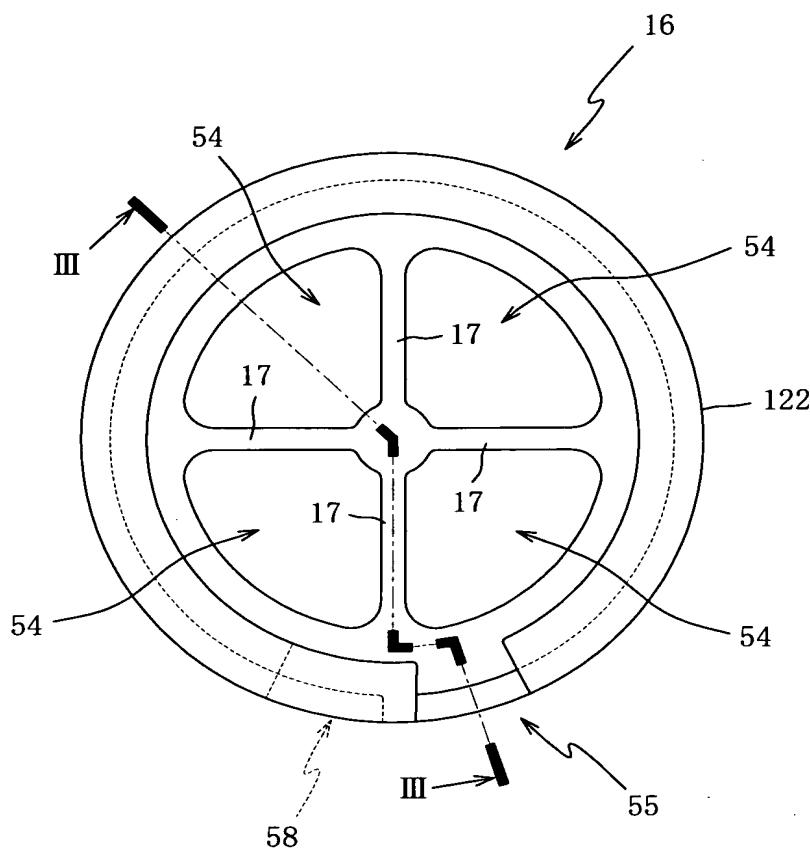


FIG. 2 (a)

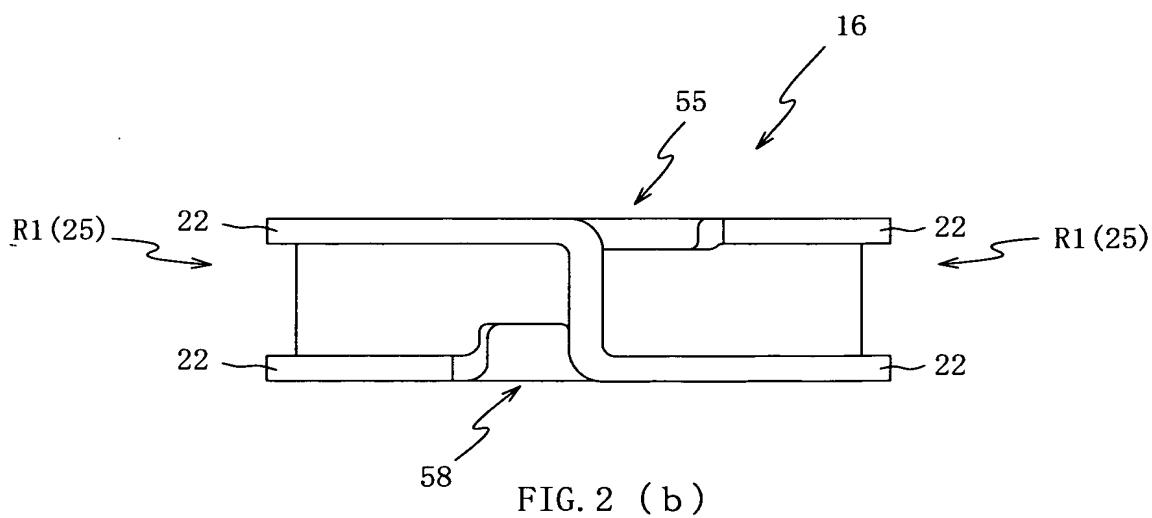


FIG. 2 (b)

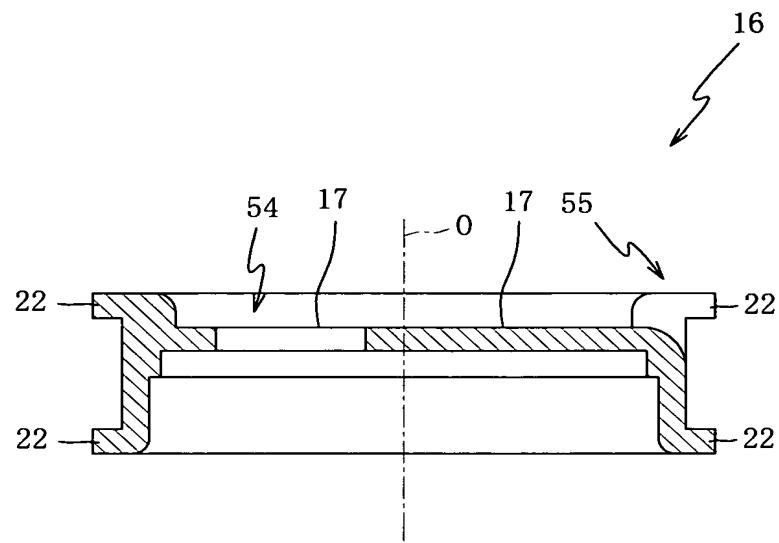


FIG. 3

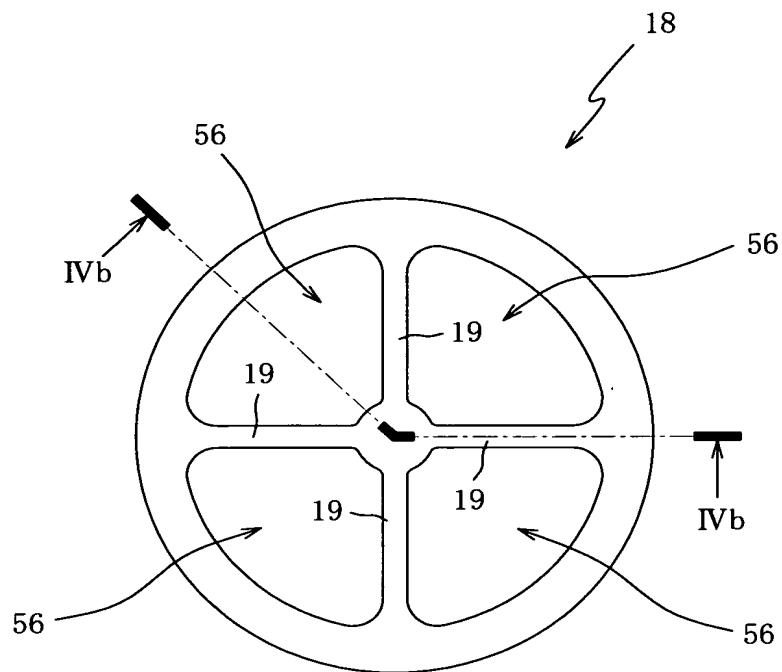


FIG. 4 (a)

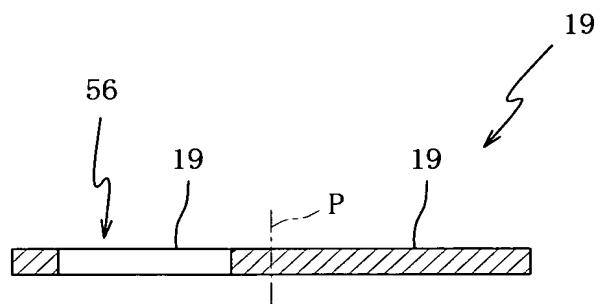


FIG. 4 (b)

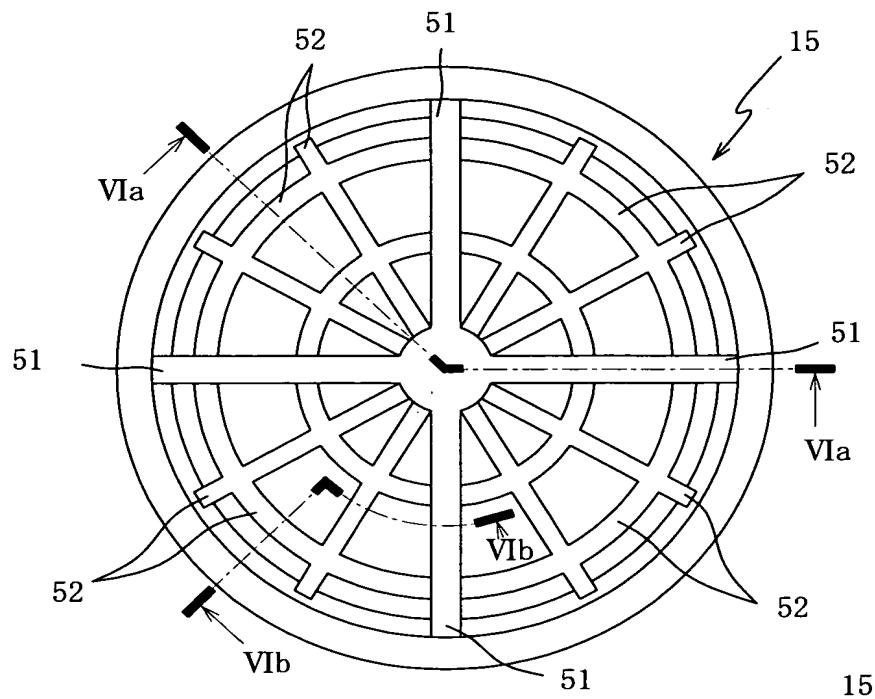


FIG. 5(a)



FIG. 5(b)

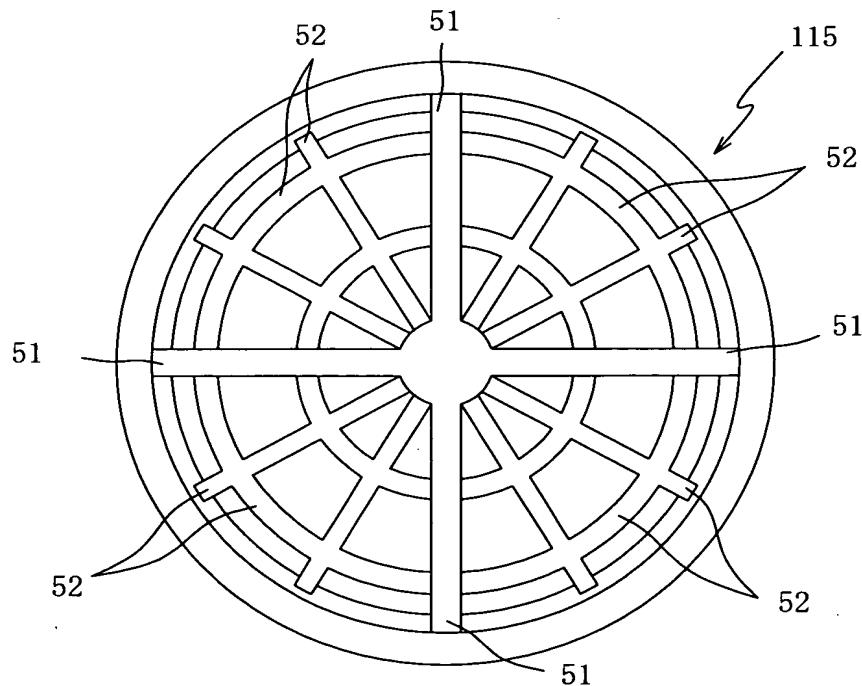


FIG. 5(c)

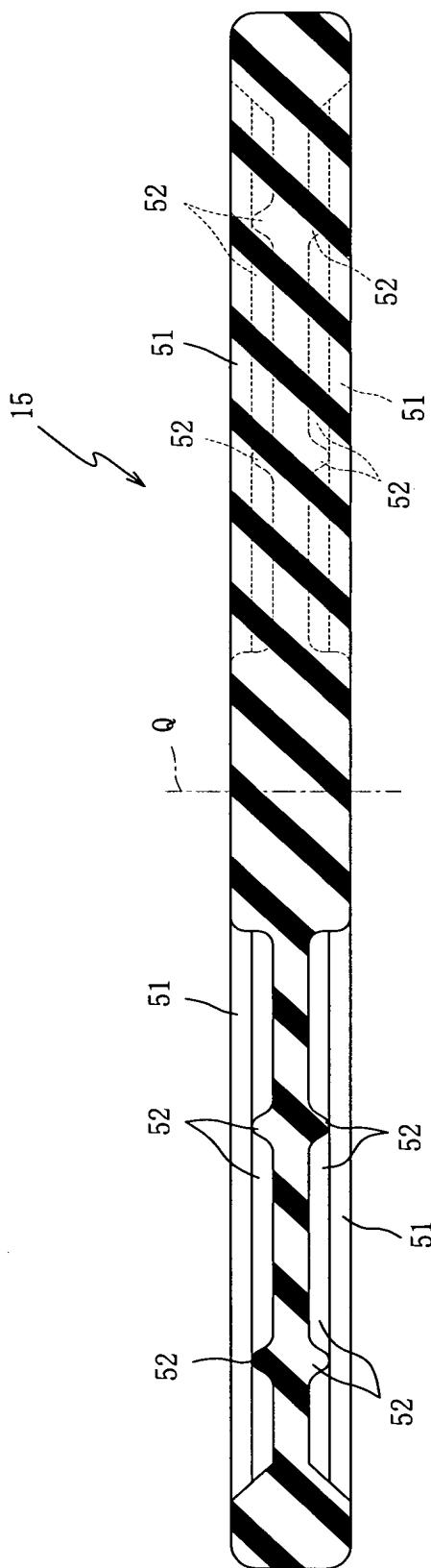


FIG. 6 (a)

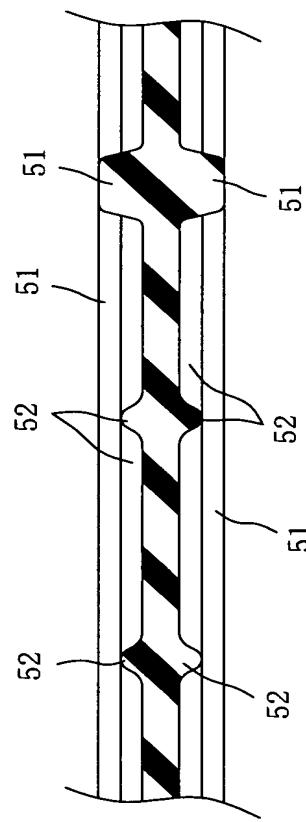


FIG. 6 (b)

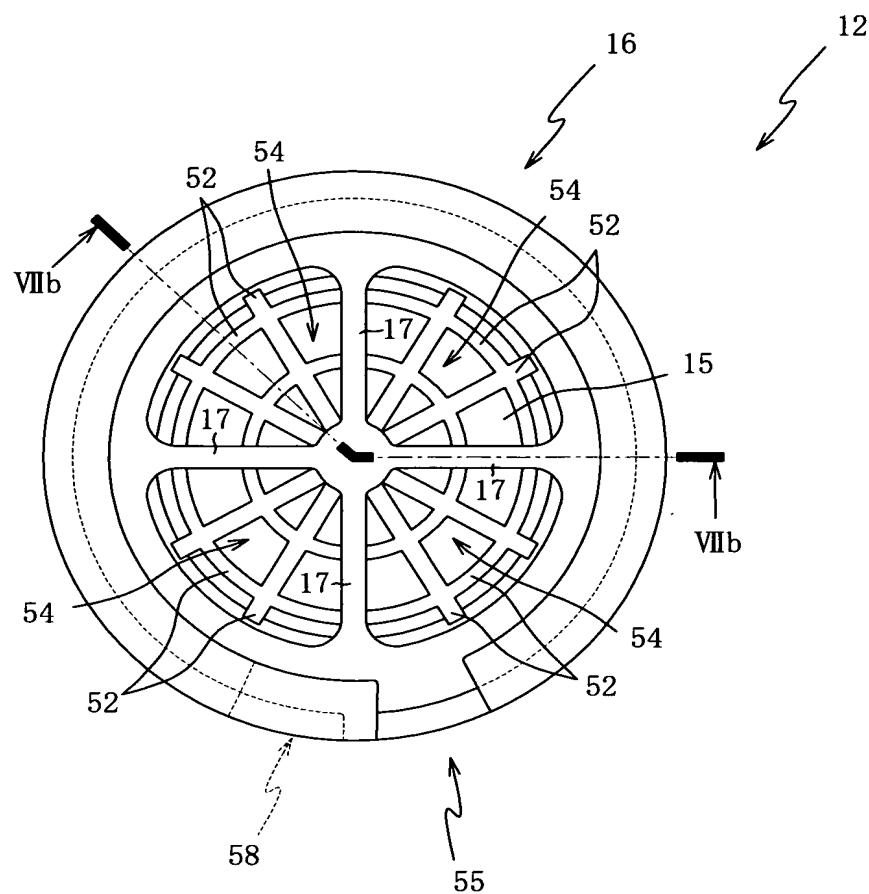


FIG. 7 (a)

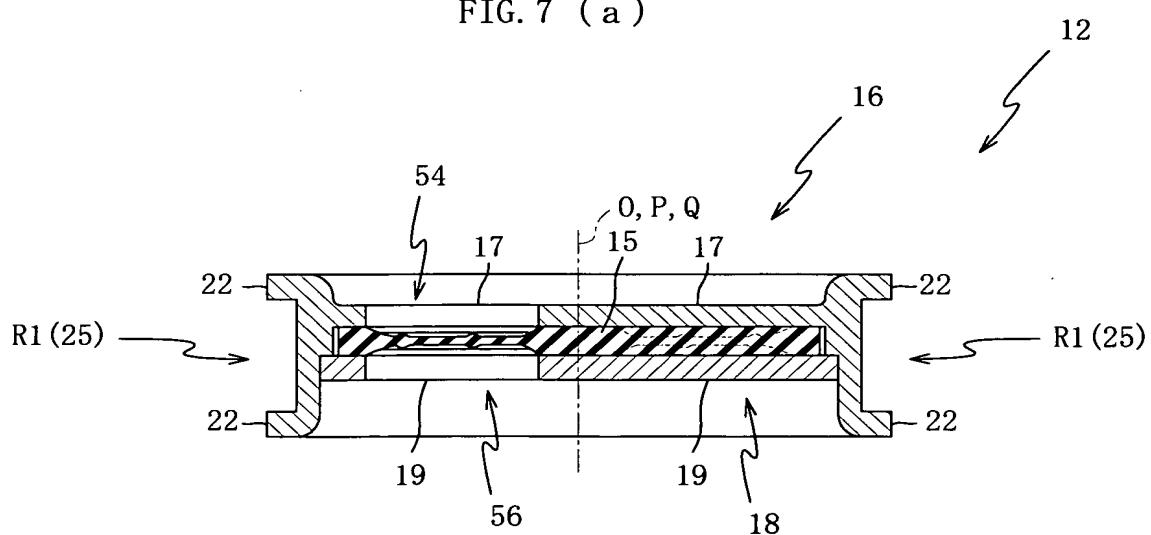


FIG. 7 (b)

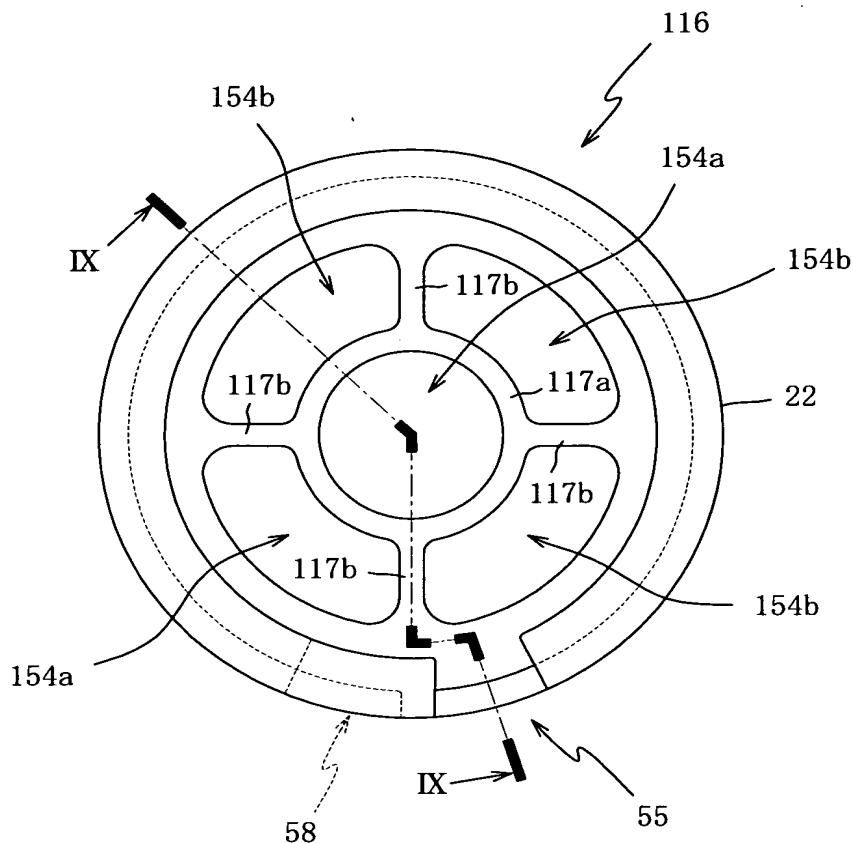


FIG. 8 (a)

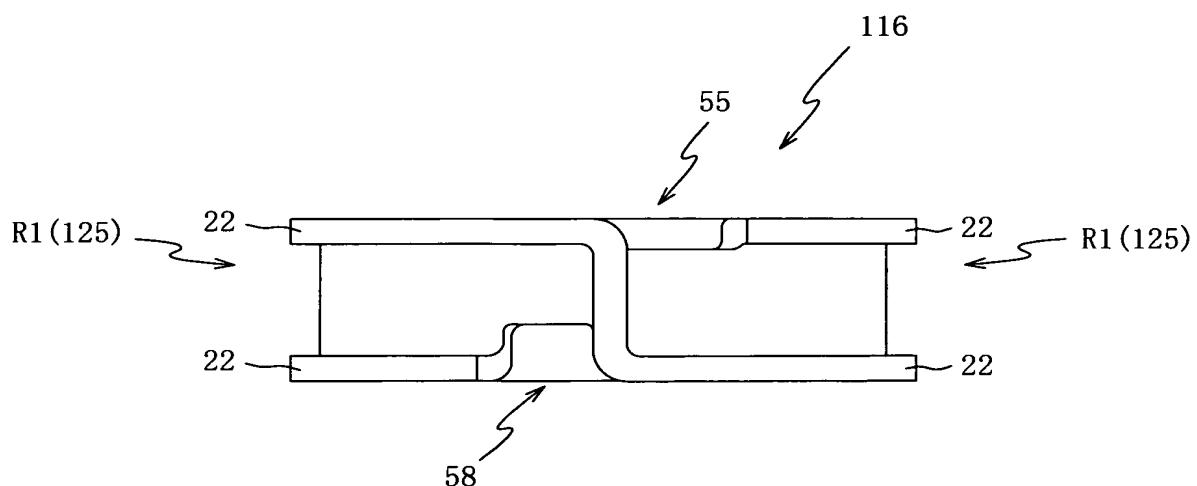


FIG. 8 (b)

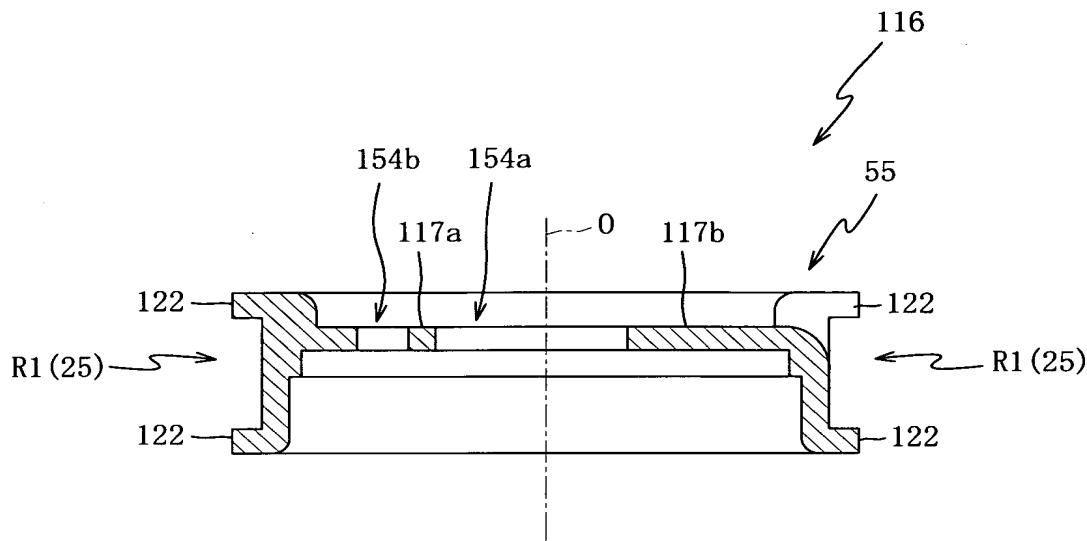


FIG. 9

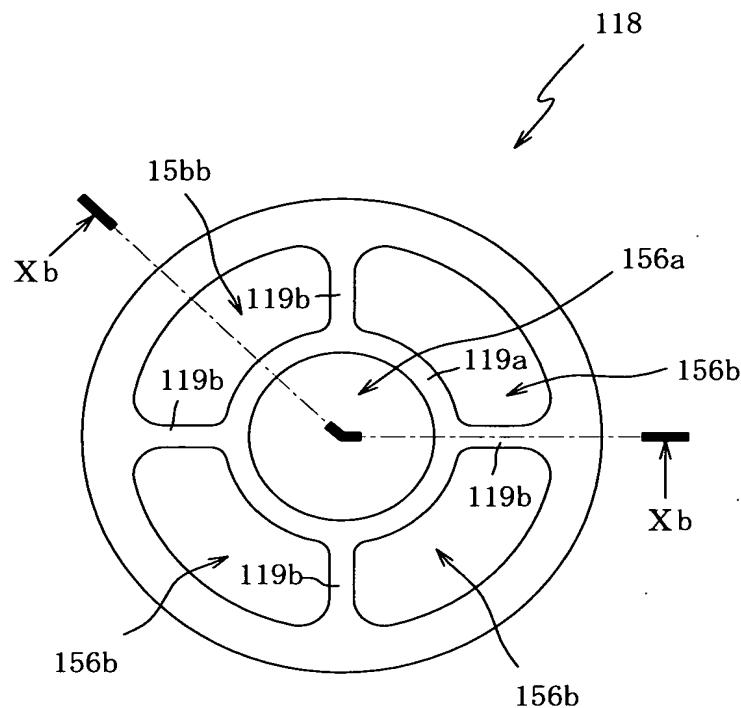


FIG. 10 (a)

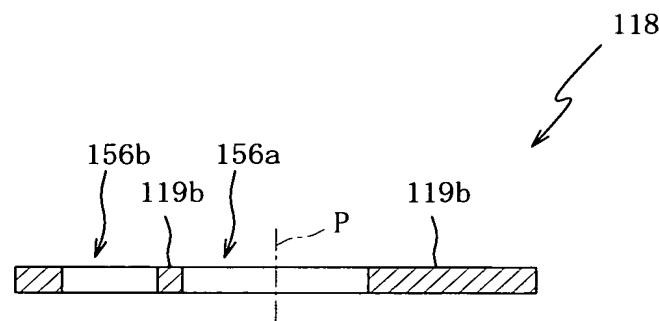


FIG. 10 (b)

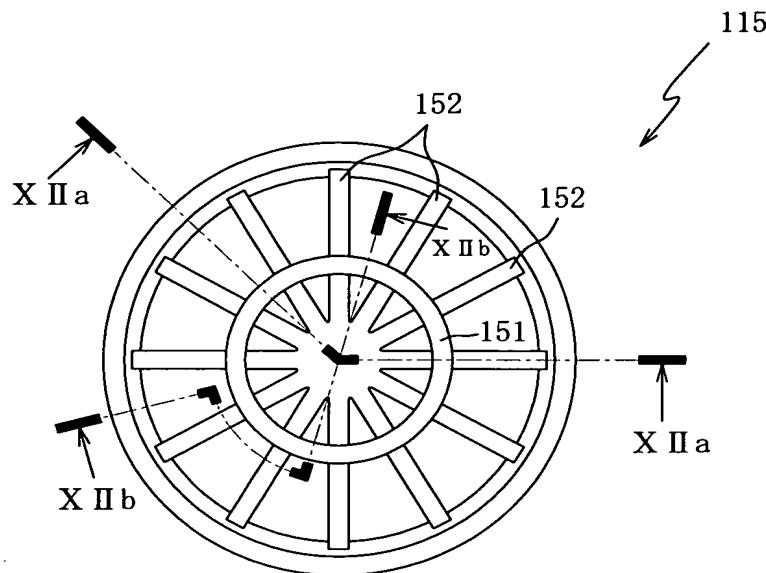


FIG. 11(a)

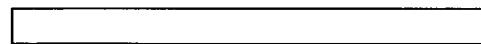


FIG. 11(b)

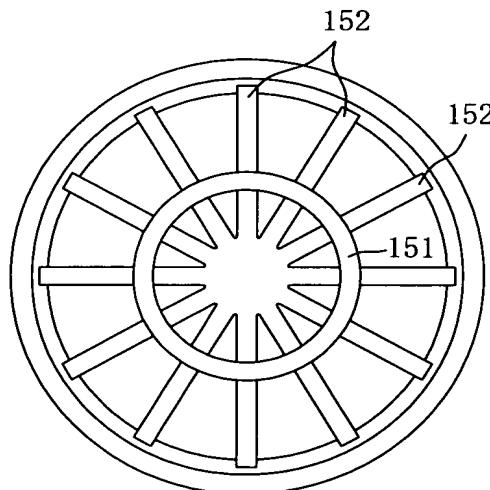


FIG. 11(c)

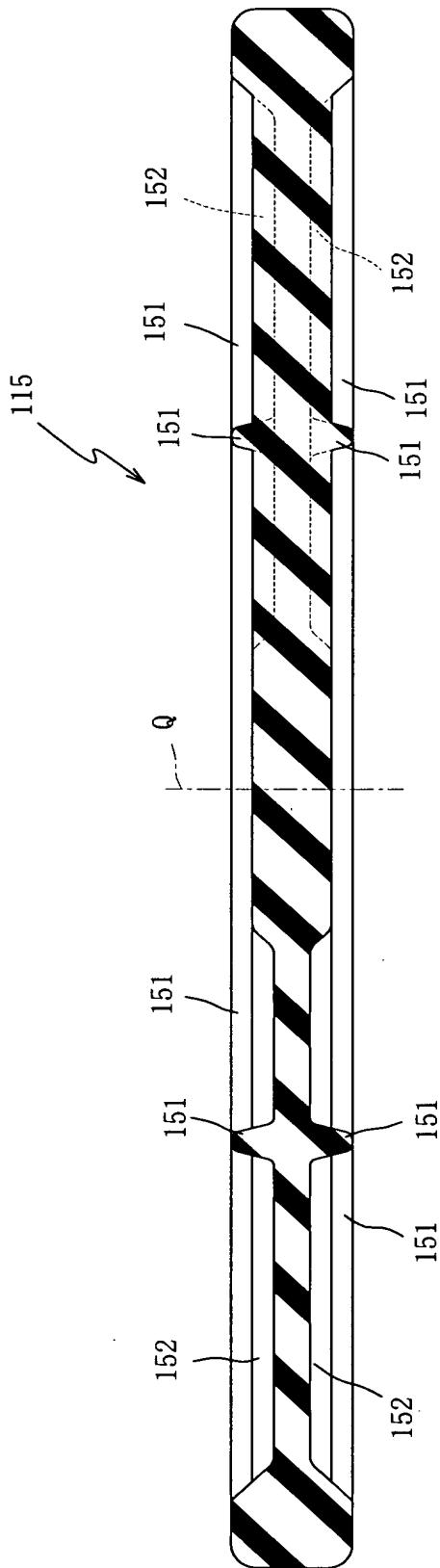


FIG. 12 (a)

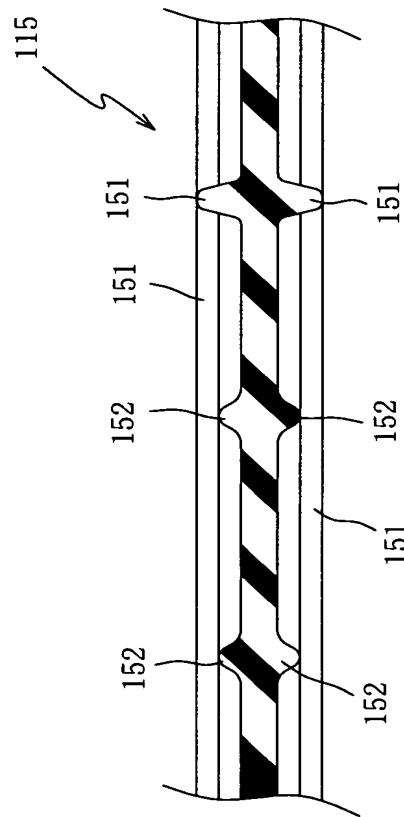


FIG. 12 (b)

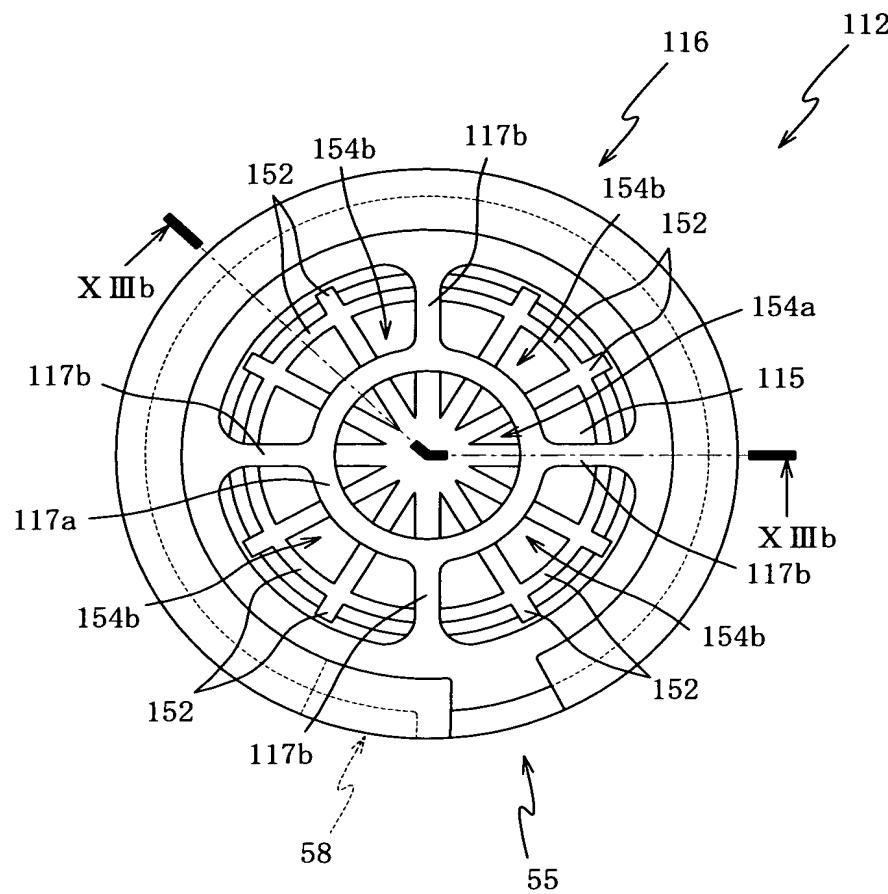


Fig13. (a)

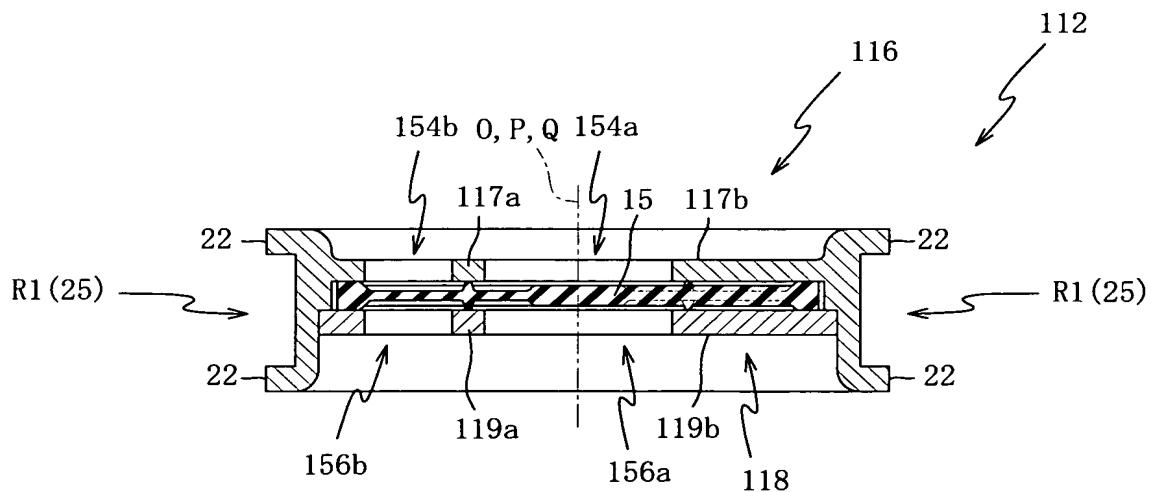


Fig13. (b)

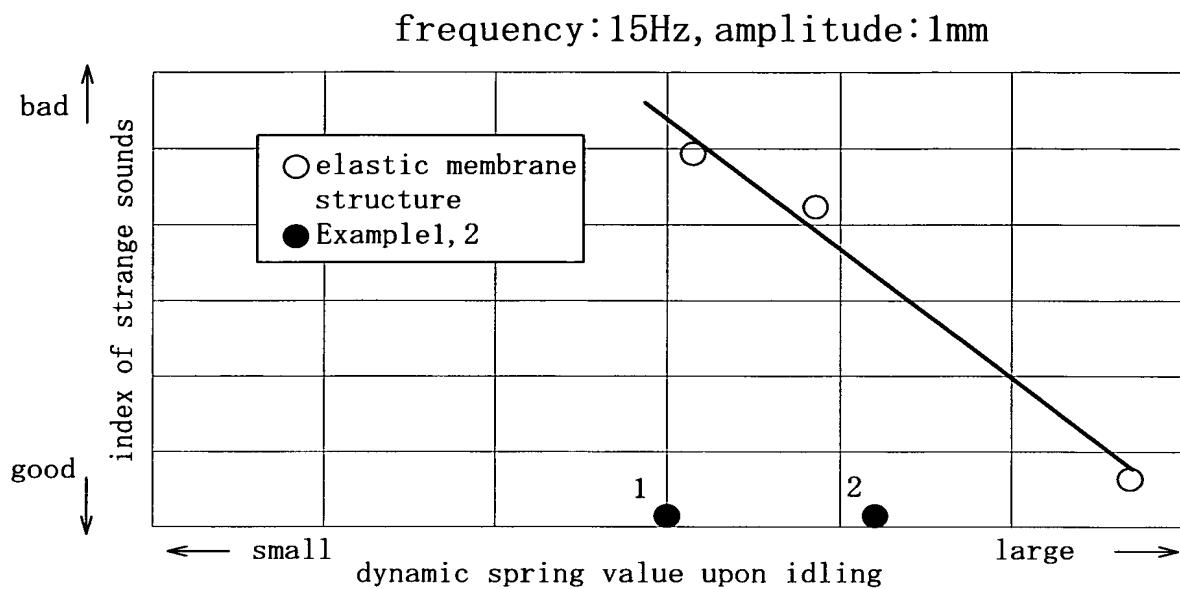


Fig. 14 (a)

performance comparison of damping characteristic upon shake range

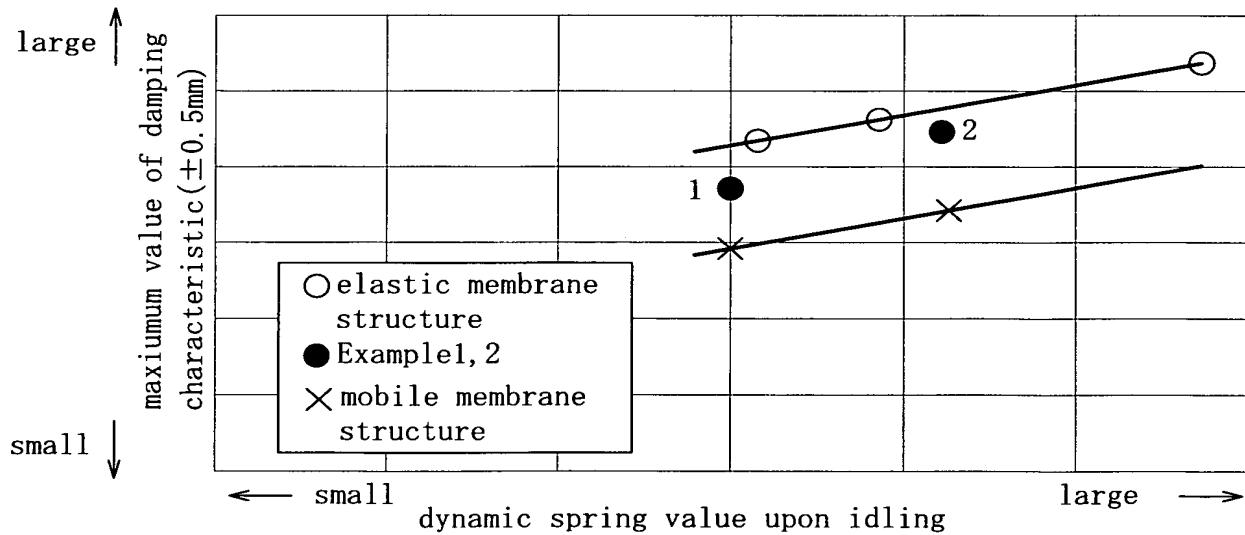


Fig. 14 (b)

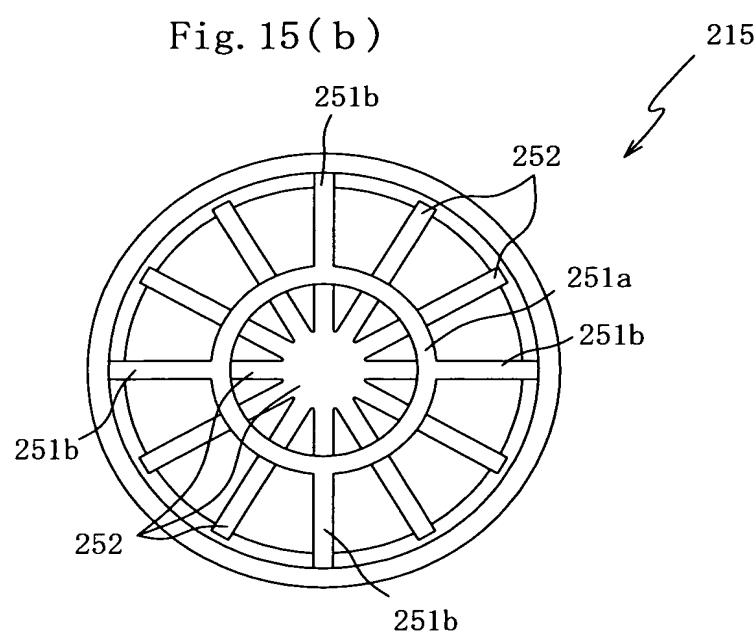
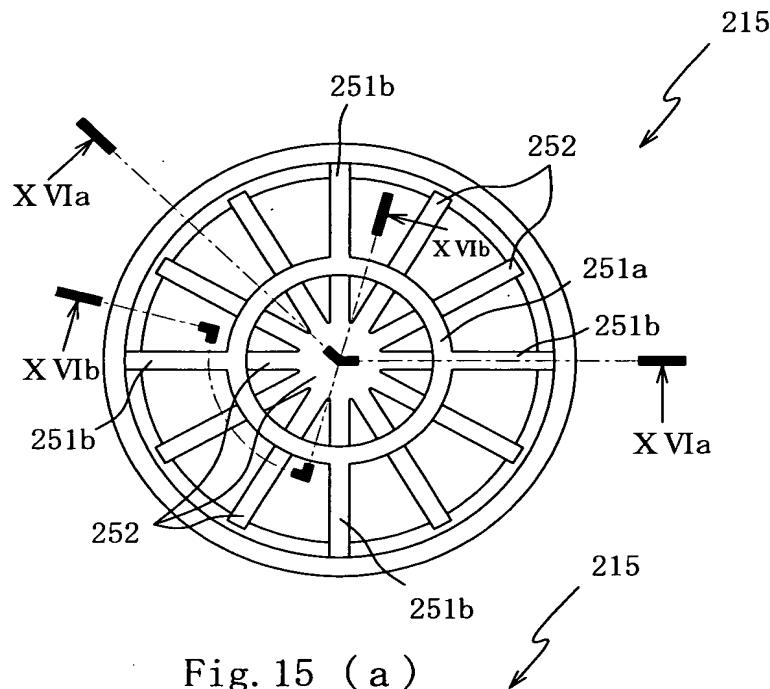


Fig. 15 (c)

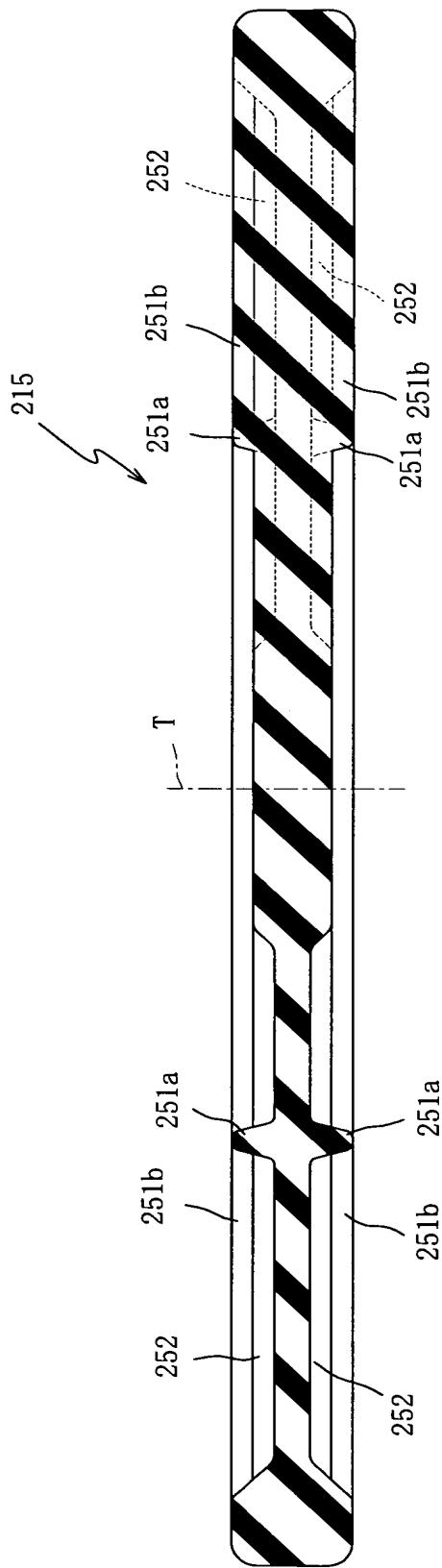


Fig16. (a)

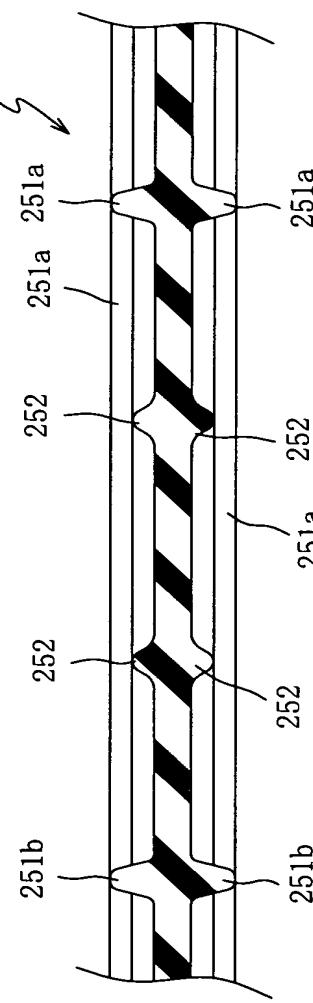


Fig16. (b)